



Patent  
PD-203051  
Customer No. 020991

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Feng-Wen Sun et al.

Serial No.: 10/816,385

Filed: April 1, 2004

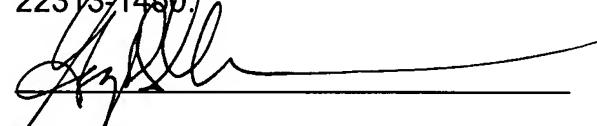
For: FRAMING STRUCTURE FOR  
DIGITAL BROADCASTING AND  
INTERACTIVE SERVICES

Group Art Unit: 2616

Examiner: HAILU, Kibrom T.

I hereby certify that this correspondence is  
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Georgann S. Grunebach

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Date: July 10, 2007

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. § 1.97 (b)**

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Dear Sir:

The references cited on the enclosed form PTO/SB/08A may be relevant or material to the examination of the above-identified patent application and are, therefore, submitted in compliance with the duty of disclosure defined in 37 C.F.R. §1.56.

This statement should be considered because it is submitted before the mailing of a first Office action on the merits under 37 C.F.R. § 1.97 (b) and therefore it is believed that no fee is due with this submission.

If a fee is due, the Commissioner is hereby authorized to charge any additional fees that may be required, or credit any overpayment, to Deposit Account No. 50-0383 of The DIRECTV Group, Inc., El Segundo, California.

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,

By:

  
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<p>Substitute for form PTO/SB/08A  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  </p>		Complete if Known	
		Application Number	10/816,385
		Filing Date	April 1, 2004
		First Named Inventor	Feng-Wen Sun, et al.
		Art Unit	2616
		Examiner Name	Kibrom T. Hailu
Date: July 10, 2007			
Sheet 1 of 1			
		Attorney Docket Number	PD-203051

#### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Classification
		US-7,079,574	07-2006	Rafie, et al.	375/232
		US-6,518,892	02-2003	Shen, et al.	370/343
		US-7,136,445	11-2006	Houtman, Tom	375/375
		US-4,613,825	09-1986	Bickley, et al.	331/4

#### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T

#### NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
		"Open-Loop Tanlock Carrier Recovery Structure for BPSK and it's Performance" by Pooi Yuen Kam, Senior Member, IEEE, 1995 IEEE	
		"Orthogonal Frequency Division Multiplex Synchronization Technique for Frequency-Selective Fading Channels" by Thomas Keller, Lorenzo Piazzo, Paolo Mandarini, and Lajos Hanzo, Senior Member, IEEE. IEEE Journal on Selected Areas in Communications, Vol 19, No. 6, June 2001	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.